

DigiPoS Retail Blade





Award-winning Blade Technology

The DigiPoS Retail Blade enables customers to maintain compatibility, configurations and installations while extending the performing life of their PoS investments beyond a full decade.



DigiPoS Store Solutions deliver technology solutions that support the demands of retailers as they seek to achieve their own core business objectives. DigiPoS understands and reflects the nature of Retailing and its interaction with technology.

With the Retail Blade Retailers can place the precise level of performance needed – right where it is needed, and if requirements change, the Retail Blade simply addresses the changing requirements.

The principle behind Blade Technology is efficiency. The Retail Blade host becomes the foundation of the system and a separate Retail Blade motherboard is installed in the host. As required the motherboard can be removed and maintained or upgraded to the latest performance Blade. The simple service design decreases downtime while the increase in Return on Investment and elimination of the 'Rip and Replace' cycle ensures technology purchased today does not become redundant.

The features

- Easy swap motherboard, HDD and power supply for maintenance and upgrade
- Decreased downtime - simple service design, only 60 seconds to upgrade/replace
- Prolongs life of Memory/CPU/HDD
- Diagnostics reduces engineering time
- Power Management System removes point of failure
- Intel Chipset/Graphic Card & Processor ensure that there are no configuration issues
- Huge range of devices can be connected and powered by the Blade
- The Retail Blade can be side-mounted, under-counter or floor mounted
- Weights and measures approved
- 10-year host warranty, 5-year life cycle warranty and 3-year product warranty
- 4 Powered USB & 4 Powered Serial Ports

The options

- Removable Hard Disk Drive
- Slim CD-ROM/DVD-ROM/CD-RW/DVD-RW drives
- Intel Atom Dual Core processor
- Solid State Disk on Module (DOM)

The DigiPoS Quantum Blade

The DigiPoS Quantum Blade: The latest of the Blade range bringing benefits in reduced energy consumption as well sustainability.

DigiPoS has extended its range of Retail Blade point of sale systems with the new Quantum Blade. Utilising the latest Intel Atom 330 processor technology brings substantial benefits in reduced power consumption of just 33 watts.

The Quantum Blade offers at least a 60% reduction in power consumption when compared to a standard Retail Blade or desktop PC maximising the green potential and substantially reducing your carbon footprint. The reduction in energy consumption also brings a positive cash reduction in your costs.

The Quantum Blade is fully compatible with the Retail Blade range and benefits from all of its advantages of easy installation and low maintenance. Existing systems can be upgraded in seconds without the need for tools, technicians or even removal of connected devices. With future-proof technology in mind DigiPoS can continue to address the changing requirements for the retailer while providing a reduced total cost of ownership.



Additional features of the Quantum Blade

- Consumes at least 60% less energy than previous Retail Blade systems saving you up to £100 per system per year
- Reduced carbon footprint
- Latest Intel technology with a 30% performance increase over the fastest of the previous Retail Blade processor
- Further reduction in total cost of ownership
- Improved heat dissipation
- Solid State Disk on Module (DOM) flash drive for added data storage
- Upgrade for an additional 3 years warranty on existing Retail Blade system

DigiPoS Carbon Down

DigiPoS customers are already seeing savings of thousands of pounds per year. Over time, the DigiPoS carbon down products effectively pay for themselves in cost savings.



How much can you save with the DigiPoS Quantum Blade?

Comparing the Quantum Blade with a Retail Blade 2.8GHz Pentium

No. Units	Cost Savings £/year*	Co2 Savings Tons/year**
10	£993	2.60
20	£1,987	5.20
40	£3,974	10.40
100	£9,934	25.99

Comparing the Quantum Blade with a standard Intel® Core2 Duo PC

No. Units	Cost Savings £/year*	Co2 Savings Tons/year**
10	£788	2.06
20	£1,577	4.13
40	£3,154	8.25
100	£7,884	20.63

This table compares the two systems running on full power 24 hours a day 365 days a year. DigiPoS Quantum Blade consumes 38 Watts, DigiPoS Retail Blade 3.2GHz Celeron D consumes 101 Watts and the Intel® Core2 Duo consumes 88 Watts.

*Energy cost calculated on a tariff of £0.18 standard and £0.123 off peak.

**Figures used are benchmarked against the quoted DEFRA conversion factor "Guidelines to DEFRA's GHG conversion factors for company reporting"



DigiPoS Retail Blade

Characteristics of the Retail Blade

OPTIONS	RB2	RB4	RB6	RB7	Quantum
Processor	Intel Celeron 2.4 GHz	Intel P4 2.8 GHz	Intel® Core 2 Duo 1.8GHz	Intel® Core 2 Duo 2.13GHz	Intel Atom 330 1.6GHz Dual Core
Main Memory	Up to 2GB	Up to 2GB	Up to 4GB	Up to 4GB	Up to 4GB
Hard Disk	40/80 GB IDE/S-ATA	80 GB S-ATA	Available Options: 1 x S-ATA / 2 x S-ATA		4 x S-ATA
Compact Flash	64MB	64-1GB	128MB	128MB	S-ATA DOM
Video	64MB	64MB	64MB Intel® GMA 3000	64MB Intel® GMA 3000	Intel® GMA 950
System Chipset	North Bridge: Intel® 865GV South Bridge: Intel® ICH5		North Bridge: Intel® 965 Express South Bridge: Intel® ICH8		North Bridge: Intel® 945GC South Bridge: Intel® ICH 7 or ICH7R

All include external power supply, onboard diagnostics & three year warranty

Characteristics of the Host

Serial Port	COM1, COM2, COM3, COM4 on board IRQ Selector by BIOS setup (Jumper-less) DC 0/5/12/24v output on pin 9 by jumper selector	Cash Drawer Ports	2 x RJ12 Cash drawer ports with status sensor
USB Ports	4 powered USB 2.0 Ports (1 x 24v, 2 x 12v, 1 x 5v) Each output voltage protected using Polyfuse® technology 2 x Easy access covered front USB ports	Ethernet	Intel® 82861 Ethernet RB6 & RB7: Intel® 82562V Ethernet Quantum:
Floppy Disk	Optional external USB device	Audio Ports	AC97 CODEC on board with Line In/Line Out/ MIC In
CD-ROM	Slim 24x CD-ROM/CD-RW/DVD*	Keyboard/Mouse	PS/2
Extensions	On board PCI bus master IDE1/2 Ultra DMA 66/100/133 support	Graphics	Output VGA 15 Pin D-Sub connector RB6 & RB7 x 2
PCI IDE	66/100/133 support	Parallel Port	25 Pin D-Sub connector RB6 & RB7: none
Serial ATA	2 x S-ATA Hard Disks	LCD Power Out	2 x 12v DC dipole
Expansion Slots	2 x PCI RB6 & RB7: 1 x PCI & 1 x PCIe	Dimensions	293mm (w) x 315mm (l) x 116mm (h)

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